

Patent Application
U.S. Serial No.: 09/447,179
Docket No.: 34647-407USPT

CLEAN SET OF PENDING CLAIMS AFTER RESPONSE TO OFFICE ACTION
DATED 06/21/02

1 1. (Amended) A method for monitoring authentication
2 performance in a wireless communication network, comprising
3 the steps of:

4 sending a Global Challenge Report Directive message to
5 a mobile switching center in said wireless communication
6 network, said Global Challenge Report Directive message
7 including at least one authentication parameter;

8 determining whether an access request made to said
9 wireless communication network is authenticated based on said
10 at least one authentication parameter; and

11 if said access request is authenticated based on said
12 at least one authentication parameter, said mobile switching
13 center transmitting a Global Challenge Report to said
14 external wireless communication network.

1 2. (Amended) The method of Claim 1, further comprising
2 the step of said mobile switching center transmitting an
3 Global Challenge Report Directive Response message responsive
4 to said a Global Challenge Report Directive message .

3. Canceled.

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1 4. (Amended) The method of Claim 1, wherein said
2 Global Challenge Report Directive message is formatted in
3 accordance with an ANSI-41 protocol.

5. Canceled.

6. Canceled.

7. Canceled.

8. Canceled.

9. Canceled.

10. Canceled.

11. Canceled.

12. Canceled.

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1 13. (Amended) A system for monitoring authentication
2 performance in a wireless communication network, comprising:
3 a mobile switching center associated with said wireless
4 communication network;

5 an external network node, said external network node
6 coupled to said mobile switching center by an inter-network
7 transmission interface;

8 wherein said external network node senses a Global
9 Challenge Report Directive message to said mobile switching
10 center, said Global Challenge Report Directive message
11 including at least one authentication parameter; and

12 wherein said mobile switching center determines whether
13 an access request made to said wireless communication network
14 is authenticated based on said at least one authentication
15 parameter, said mobile switching center further transmitting
16 a Global Challenge Report to said external node if said
17 access request is authenticated based on said at least one
18 authentication parameter.

1 14. (Amended) The system of Claim 13, wherein said
2 mobile switching center further transmits Global Challenge

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3 Report Directive Response message responsive to said a Global
4 Challenge Report Directive message.

15. Canceled.

16. Canceled.

17. Canceled.

18. Canceled.

19. Canceled.

20. Canceled.

21. Canceled.

22. Canceled.

1 23. The system of Claim 13, wherein said wireless
2 communication network comprises an ANSI-41 network.

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24. Canceled.

Please add the following new claims:

1 25 (New). A method for monitoring authentication
2 performance in a wireless communication network, comprising
3 the steps of:

4 sending an ANSI authentication report order message to
5 a mobile switching center in said wireless communication
6 network from an external wireless communication network, said
7 ANSI authentication report order message including at least
8 one authentication parameter;

9 determining whether an access request made to said
10 wireless communication network is authenticated based on said
11 at least one authentication parameter; and

12 if said access request is authenticated based on said
13 at least one authentication parameter, said mobile switching
14 center transmitting an ANSI-41 Authentication Status Report
15 message to said external wireless communication method.

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1 26. (New) The method of Claim 25, further comprising the
2 step of said mobile switching center transmitting an
3 acknowledgment message responsive to said authentication
4 report order message.

1 27. (New) The method of Claim 25, wherein said
2 authentication report order message comprises an ANSI-41
3 Registration Notification Return Result message.

1 28. (New) The method of Claim 25, wherein said
2 authentication report order message comprises an ANSI-41
3 Qualification Directive message.

1 29. (New) The method of Claim 25, wherein said
2 authentication report order message comprises an ANSI-41
3 Authentication Directive message.

1 30. (New) The method of Claim 1, wherein said wireless
2 communication network comprises an ANSI-41 network.